PATENT COOPERATION TREATY

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INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Artcle 36 and Rule 70)

A ===	ligant's or agent's file reference					
	licant's or agent's file reference 20040067	FOR FURTHER ACTION	See Form PCT/IPEA/416			
	mational application No.	International filing date(day/month/year)	Priority date (day/month/year)			
PC	CT/KR2004/003141	01 DECEMBER 2004 (01.12.20	04) 01 DECEMBER 2003 (01.12.2003)			
	mational Patent Classification (IPC) or national classification and IPC				
	licant	· · · · · · · · · · · · · · · · · · ·				
HA	NA MICRON CO., LTD.	et al .				
1.	This report is the international pr Authority under Article 35 and to	eliminary examination report, established by ansmitted to the applicant according to Arti	y this International Preliminary Examining cle 36.			
2.	This REPORT consists of a total	of 3sheets, including this co	over sheet.			
3.	This report is also accompanied a. (sent to the applicant an	by ANNEXES, comprising: d to the International Bureau) a total of	sheets, as follows:			
	sheets of the desand/or sheets con	taining rectifications authorized by this Au	re been amended and are the basis for this report thority (see Rule 70.16 and Section 607 of the			
	sheets which sup	ersede earlier sheets, but which this Authori	ity considers contain an amendment that goes			
	beyond the discl	osure in the international application as filed	l, as indicated in item 4 of Box No. I and the			
	Supplemental Bob. (sent to the International	ox. Al Bureau only) a total of (indicate type and i	number of electronic carrier(s))			
		isting and/or tables related thereto, in electronic left in the Administration (see Section 802 of the Administration).	onic form only, as indicated in the Supplemental ative Instructions).			
4.	This report contains indications r	elating to the following items:				
•	Box No. I Basis of the	•				
	Box No. II Priority					
	Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability					
	Box No. IV Lack of unity of invention					
	Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement					
	Box No. VI Certain documents cited					
	Box No. VII Certain defects in the international application					
	Box No. VIII Certain ob	ervations on the international application				
Date	of submission of the demand	Date of comple	tion of this report			
	30 JUNE 2005 (30	25 JAN	TUARY 2006 (25.01.2006)			
Nam	ne and mailing address of the IPEA	/KR Authorized offi	cer			
(Korean Intellectual Proper 920 Dunsan-dong, Seo-gu, Republic of Korea	v Office	AIFEN			
Face	simile No. 82-42-472-7140	Telephone No.	82-42-481-5949			

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.
PCT/KR2004/003141

Box No	o. I Basis of the report
1. Wi	ith regard to the language, this report is based on the international application in the language in which it was filed, unless nerwise indicated under this item. This report is based on translations from the original language into the following language
to t	th regard to the elements of the international application, this report is based on (replacement sheets which have been furnished the receiving Office in response to an invitation under Article 14 are referred to in this reort as "originally filed" and are not nexed to this report): the international application as originally filed/furnished
	the description: pagesas originally filed/furnished pages*pages*received by this Authority on pages*received by this Authority on
	the claims: pages
	the drawings: pages
3.	the sequence listing and/or any related table(s) - see Supplemental Box Relating to Sequence Listing. The amendments have resulted in the cancellation of: the description, pages the claims, Nos. the drawings, sheets the sequence listing (specify): any table(s) related to sequence listing (specify):
4.	This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)). the description, pages the claims, Nos. the drawings, sheets the sequence listing (specify): any table(s) related to sequence listing (specify):
* If iten	a 4 applies, some or all of those sheets may be marked "superseded."

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No. PCT/KR2004/003141

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement		
Novelty (N)	Claims 1-22	YES
	Claims	NO
Inventive step (IS)	Claims 1-22	YES
	Claims	NO
Industrial applicability (IA)	Claims 1-22	yes
	Claims	NO

2. Citations and explanations (Rule 70.7)

Reference is made to the following documents.

D1 : KR 2002-0012880 A(Jung Seok-Hong, Kim Si-Hwan) 20 February 2002

D2: KR 307362 Y(Park Sang-Ho) 15 March 2003

1. Novelty and Inventive Step (PCT Article 33(2)-(3)):

Claims 1-22 of the present invention relate to a portable terminal having an extended screen converting dual displays into one extended display by having a sub-display panel which is foldable with one side of a folder equipped with a main display panel by a hinge and to method of controlling screen display thereof and and to a control device thereof.

On the other hand, D1 relates to a foldaway portable flat display panel which is provided to realize one large screen by unfolding a sub display panel, thereby provides various information and one enlarged screen.

And D2 discloses a portable terminal to allow a user to use a large display by combining an sub-display with one side of a main display by a hinge.

But neither D1 nor D2 discloses technical components of display module for controlling the image of two panels able to functions independently when the sub-display arrangement is folded and functions as one extended screen when unfolded.

Therefore, the subject matter of claims 1-22 is the process invention fulfills the requirements of Article 33(2)-(3)PCT.

2. Industrial Applicability (PCT Article 33(4)):

The subject matter of claims 1-22 fulfills the requirements of Article 33(4) PCT because it is industrially applicable.